

## **Federico-Tena World Trade Historical Series Oct 2017:**

### **The World share primary products 1800 1938**

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Our data base includes polity-specific series for the basic division between primary products (SITC 0 to 4) and manufactures (SITC 5 to 8). Whenever possible we have collected them from modern literature on trade or collections of historical statistic. Otherwise, we have relied on contemporary sources, such as the British Statistical abstract foreign countries, the Statistical yearbook of British empire as well as national yearbooks. Unfortunately, we have not been able to find data for some polities and most of the data for the available polities are incomplete - i.e. cover only part of exports and, in some cases, refer only to few benchmark years. In these cases we have computed the shares of primary product on covered trade for each polity, interpolating or extrapolating whenever data are missing. These imputations

We have then weighted these polity series by the share of all available polities to get 'baseline' series of world shares of primary products. As for trade, we have built three different time-invariant samples, starting in 1820, 1830 and 1850 (or 'full sample'), accounting on average for (henceforth full sample) and we have obtained our long-term 'baseline' series by extrapolating backward the 'full sample' index from 1850 to 1830 with the '1830 sample' index and from 1830 to 1820 with the '1820 sample' index.

## **AFRICA**

### **Algeria**

#### **Imp**

1850-59 assumed constant share as in 1860-64

1860-1938

France (Colonies). Statistical Yearbooks (several years).

United Kingdom (colonies). Statistical Yearbooks (several years).

and United Kingdom (foreign countries): Statistical Yearbooks 1901 to 1912.

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

#### **Exp**

1849

United Kingdom (foreign countries) Statistical Yearbooks (1857).

1850-58 interpolation

1859-1938

United Kingdom (foreign countries) Statistical Yearbooks (several years).

United Kingdom (colonies). Statistical Yearbooks (several years).

United Kingdom (foreign countries) Statistical Yearbooks from 1901 to 1912.

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

### **Angola (Portuguese Africa)**

#### **Imp**

1850-1926 assumed constant share as in 1927-31

1927-38

Ribeiro Salgado, F. (1939)

**Exp**

1850-97 assumed constant share as in 1898

1898-1900 extrapolation

1901-38

Ribeiro Salgado, F. (1939)

**Belgium Congo (Zaire)**

**Imp**

1887-1907; 1913-38 assumed constant share as in 1908-12

1908-12

United Kingdom (foreign countries): Statistical Yearbooks *1912*

**Exp**

1887-1907; 1913-38 extrapolation

1908-12

United Kingdom (foreign countries): Statistical Yearbooks *1912*

**British East Africa (Kenia & Uganda)**

**Imp**

1850-1909 assumed constant share as in 1910-14

1910-38

United Kingdom (colonies) Statistical Yearbooks. (1926), (1931), (1937)

**Exp**

1850-1909 extrapolation

1910-38

United Kingdom (colonies) Statistical Yearbooks. (1926), (1931), (1937)

**British Somaliland**

**Imp**

1850-1900 assumed constant share as in 1901-05

1901-38

United Kingdom (colonies). Statistical Yearbooks (1900-1914), (1926) (1931), (1937)

**Exp**

1850-1900 extrapolation

1901-38

United Kingdom (colonies). Statistical Yearbooks (1900-1914), (1926) (1931), (1937)

**Camerun**

**Imp**

1850-1926 assumed constant share as in 1927-31

1927-38

United Kingdom (colonies) Statistical Yearbooks (1937)

**Exp**

1850-1926 extrapolation

1927-38

United Kingdom (colonies) Statistical Yearbooks (1937)

**Egypt**

**Imp**

1850-79 United Kingdom (foreign countries). *Statistical Abstract for the Principal and other Foreign Countries*

1880 interpolation

1881-1919 United Kingdom (foreign countries). *Statistical Abstract for the Principal and other Foreign Countries*

1920-38 assumed constant share as in 1915-19

#### **Exp**

1850-54 extrapolation

1855-97 United Kingdom (annum) *Tables of the revenue, population*

1898-1912; 1917-19 United Kingdom (foreign countries). *Statistical Abstract for the Principal and other Foreign Countries*.

1913-16; 1920-38 interpolation e extrapolation

### **French Equatorial Africa-Congo-Final**

#### **Imp**

1850-1895; 1912-38 assumed constant share as in 1896-1900 and 1907-11

1896-1911 Gouvernement general de l'Afrique Equatoriale Francaise, Service des Affaires Economiques (1913)

#### **Exp**

1850-1895; 1912-38 extrapolation

1896-1911 Gouvernement general de l'Afrique Equatoriale Francaise, Service des Affaires Economiques (1913)

### **French Somalia**

#### **Imp**

1850-1900 assumed constant share as in 1901-05

1901-38

United Kingdom (colonies). Statistical Yearboooks (1900-1914), (1926) (1931), (1937)

#### **Exp**

1850-1900 extrapolation

1901-38

United Kingdom (colonies). Statistical Yearboooks (1900-1914), (1926) (1931), (1937)

### **French West Africa & Togo**

#### **Imp**

1850-88; 1900-38 assumed constant share as in 1889-93 and 1895-99

1889-99

Le Colonies Francaises, Senegal-Soudan, Agriculture, Industrie, Commerce. Notice redigé par les soins du Comité Local d'Organisation de l'Exposition de 1900, Paris, Augustin Challamel, Librairie Maritime et Coloniale, 1900

#### **Exp**

1850-88; 1926-38 extrapolation

1900-24 interpolation

1925 Poquin, J.J. (1957)

1889-99

Le Colonies Francaises, Senegal-Soudan, Agriculture, Industrie, Commerce. Notice redigé par les soins du Comité Local d'Organisation de l'Exposition de 1900, Paris, Augustin Challamel, Librairie Maritime et Coloniale, 1900

### **Gambia**

#### **Imp**

1850-99 assumed constant share as in 1900-04

1900-38

United Kingdom (colonies) Statistical Yearboooks (1916), (1926), (1931), (1937)

**Exp**

1820-35; 1837-99 extrapolation and interpolation

1836

United Kingdom (colonies) Statistical Yearbooks, 1836.

1900-38

United Kingdom (colonies) Statistical Yearbooks (1916), (1926), (1931), (1937)

**German South West Africa****Imp**

1850-1918 assumed constant share as in 1919-23

1919-38

United Kingdom (colonies). Statistical Yearbooks (1905), (1926), (1931), (1939)

**Exp**

1850-1918 extrapolation

1919-38

United Kingdom (colonies). Statistical Yearbooks (1905), (1926), (1931), (1939)

**Ghana-Gold Coast****Imp**

1850-1889 assumed constant share as in 1890-94

1890-1938

United Kingdom (colonies) Statistical Yearbooks. (1905), (1926), (1931), (1937)

**Exp**

1850-1889 extrapolation

1890-1938

United Kingdom (colonies) Statistical Yearbooks. (1905), (1926), (1931), (1937)

**Italia Somalia****Imp**

1850-1900 assumed constant share as in 1901-05

1901-38

United Kingdom (colonies). Statistical Yearbooks (1900-1914), (1926) (1931), (1937)

**Exp**

1850-1900 extrapolation

1901-38

United Kingdom (colonies). Statistical Yearbooks (1900-1914), (1926) (1931), (1937)

**Madagascar****Imp**

1850-95; 1907-38 assumed constant share as in 1896-1900 and 1902-06

1896-1906 Department of Commerce and Labor, Bureau of Statistics (1909)

**Exp**

1850-95; 1907-38 extrapolation

1896-1906 Department of Commerce and Labor, Bureau of Statistics (1909)

**Malawi****Imp**

1850-1900 assumed constant share as in 1901-05

1901-38

United Kingdom (colonies). Statistical Yearbooks (1916), (1926), (1931), (1937), (1947)

**Exp**

1850-1900 extrapolation

1901-38

United Kingdom (colonies). Statistical Yearboooks (1916), (1926), (1931), (1937), (1947)

## **Marocco**

### **Imp**

1850-1908; 1919-38 assumed constant share as in 1909-13 and 1909-14

1909-18

United Kingdom (colonies) Statistical Yearboooks. (1924)

### **Exp**

1827-38; 1840-1908; 1919-30 extrapolation and interpolation

1931-38 assumed constant share as in 1930

1839

Macgregor (1850); Vol.II

1909-18

United Kingdom (colonies) Statistical Yearboooks. (1924)

## **Mauritius**

### **Imp**

1850-52 assumed constant share as in 1853-57

1853-1938

United Kingdom (colonies) Statistical Yearboooks (1869), (1871), (1880), (1892), (1905), (1926), (1931), (1937)

### **Exp**

1828-35; 1837-52 extrapolation and interpolation

1836

United Kingdom Statistical Yearboooks *1836*.

1853-1938

United Kingdom (colonies) Statistical Yearboooks (1869), (1871), (1880), (1892), (1905), (1926), (1931), (1937)

## **Mozambique (Portuguese Africa)**

### **Imp**

1850-1926 assumed constant share as in 1827-31

1927-38

Ribeiro Salgado, F. (1939)

### **Exp**

1850-97 assumed constant share as in 1898

1898-1900 extrapolation

1901-38

Ribeiro Salgado, F. (1939)

## **Nigeria**

### **Imp**

1850-64 assumed constant share as in 1865-69

1865-1938

United Kingdom (colonies) Statistical Yearbooks.(1853 to 1867), (1855 to 1869), (1864 to 1878), (1877 to 1891)

United Kingdom (colonies) Statistical Yearbooks (1905)

### **Exp**

1850-64 extrapolation

1865-1938

United Kingdom (colonies) Statistical Yearbooks.(1853 to 1867), (1855 to 1869), (1864 to 1878), (1877 to 1891)

United Kingdom (colonies) Statistical Yearbooks (1905)

## **Rodhesia**

### **Imp**

1906-08 assumed constant share as in 1909-13

1909-38

United Kingdom (colonies). Statistical Yearbooks (1926), (1931),(1937)

### **Exp**

1906-08 extrapolation

1909-38

United Kingdom (colonies). Statistical Yearbooks (1926), (1931),(1937)

## **St. Helena**

### **Imp**

1850-1908 assumed constant share as in 1909-13

1909-38

United Kingdom (colonies) Statistical Yearbooks (1926),(1930), (1939)

### **Exp**

1850-1908 extrapolation

1909-38

United Kingdom (colonies) Statistical Yearbooks (1926),(1930), (1939)

## **S.Tome e Principe (Portuguess Africa)**

### **Exp**

We use cacao price as representative of total exports

## **Sierra Leone**

### **Imp**

1850-99 assumed constant share as in 1900-04

1900-38

United Kingdom (colonies). Statistical Yearbooks (1916), (1926), (1931),(1937)

### **Exp**

1820-35; 1837-99 extrapolation and interpolation

1836

United Kingdom Statistical Yearbooks. 1836.

1900-38

United Kingdom (colonies). Statistical Yearbooks (1916), (1926), (1931),(1937)

## **South Africa**

### **Imp**

1850-57 assumed constant share as in 1858-62

1858-1938

United Kingdom (colonies). Statistical Yearbooks.(1853 to 1867), (1855 to 1869), (1864 to 1878), (1877 to 1891)

United Kingdom (colonies). Statistical Yearbooks (1905) (1926), (1931), (1937), (1939)

### **Exp**

1826-35; 1837-57 extrapolation e interpolation

1836 United Kingdom (foreign countries). *Statistical Abstract for the Principal and other Foreign Countries* 1839.

1858-1938

United Kingdom (colonies). Statistical Yearbooks.(1853 to 1867), (1855 to 1869), (1864 to 1878), (1877 to 1891)

United Kingdom (colonies). Statistical Yearbooks (1905) (1926), (1931), (1937), (1939)

### **Sudan (Anglo-Egyptian Sudan)**

#### **Imp**

1850-1908 assumed constant share as in 1909-13

1909-38

United Kingdom (colonies). Statistical Yearbooks (1926), (1931), (1937)

#### **Exp**

1850-1908 extrapolation

1909-38

United Kingdom (colonies). Statistical Yearbooks (1926), (1931), (1937)

### **Tangania (German East Africa)**

#### **Imp**

1850-1919 assumed constant share as in 1920-24

1920-38

United Kingdom (colonies). Statistical Yearbooks (1926), (1931), (1937)

#### **Exp**

1850-1919 assumed constant share as in 1920

1920-38

United Kingdom (colonies). Statistical Yearbooks (1926), (1931), (1937)

### **Tunisia**

#### **Imp**

1850-1901; 1907-38 assumed constant share as in 1902-06

1902-06 Department of Commerce and Labor, Bureau of Statistics (1909)

#### **Exp**

1830-38; 1840-1901; 1907-23 extrapolation and interpolation

1924-38 assumed constant share as in 1923

1839 John Macgregor, Vol. II (1850)

1902-06 Department of Commerce and Labor, Bureau of Statistics (1909)

### **Zanzibar Isl.**

#### **Imp**

1850-1900 assumed constant share as in 1901-05

1901-38

United Kingdom (colonies). Statistical Yearbooks (1916), (1926), (1931), (1937)

#### **Exp**

1850-1900 extrapolation

1901-38

United Kingdom (colonies). Statistical Yearbooks (1916), (1926), (1931), (1937)

## **AMERICAS**

### **Argentina**

#### **Imp**

1850-62 assumed constant share as in 1863-67

1864-74 interpolation

1863 Macgregor (1850) Vol. II

1875-1938 United Kingdom (foreign countries). Statistical Yearbooks (several years)  
 League of Nations (1925)  
 League of Nations (1929)

**Exp**

1843-64 Macgregor (1850) Vol. II  
 1865-75 interpolation  
 1876-1938  
 Tena-Willebald (2012) and United Kingdom (foreign countries). Statistical Yearbooks (*several years*)  
 League of Nations (1925)  
 League of Nations (1929)

**Bahamas**

**Imp**

1850-95 assumed constant share as in 1896-1901  
 1896-1938  
 Department of Commerce and Labor, Bureau of Statistics (1909)  
 United Kingdom (colonies), Statistical Yearbooks.(1926) , (1931), (1937)

**Exp**

1850-95 extrapolation  
 1896-1938  
 Department of Commerce and Labor, Bureau of Statistics (1909)  
 United Kingdom (colonies) Statistical Yearbooks (1853 ) to (1905) and (1926), (1931), (1937)

**Barbados**

**Imp**

1850-1938  
 United Kingdom (colonies) Statistical Yearbooks *for 1853 to (1905), (1926) (1931) (1937)*

**Exp**

1850-1938  
 United Kingdom (colonies) Statistical Yearbooks *(1853 to 1867) (1870 to 1884) (1877to 1891) for (1890 to 1904) , (1909 to 1923),(1923 to 1927),(1924 to 1929 ),(1926) ,(1931),(1937).*

**Bermuda**

**Imp**

1850-1899 assumed constant share as in 1900-05  
 1900-1938 United Kingdom (colonies) Statistical Yearbooks (1900 to 1914) *(1909 to 1923), (1923 to 1927),(1924 to 1929 ),(1926) ,(1931), (1937).*

**Exp**

1850-1899 extrapolation  
 1900-1938 United Kingdom (colonies) Statistical Yearbooks (1900 to 1914) *(1909 to 1923), (1923 to 1927),(1924 to 1929 ),(1926) ,(1931), (1937).*

**Bolivia**

**Imp**

1850-1909 assumed constant share as in 1910-14  
 1910-38  
 United Kingdom (foreign countries). *Abstract of Reports of Trade* (several years)  
 League of Nations (1925)  
 League of Nations (1929)  
 League of Nations (1933)



League of Nations (1936)

League of Nations (1938)

### **Exp**

1820-39; 1841-1907 extrapolation e interpolation

1840 United Kingdom (foreign countries). *Abstract of Reports of Trade*

1908-38

United Kingdom (foreign countries). *Abstract of Reports of Trade* (several years)

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

## **Brazil**

### **Imp**

1848; 1850-1938

Brazil. IPEA data (2009)

Department of Commerce and Labor, Bureau of Statistics (1909)

1849 interpolation

### **Exp**

1820 extrapolation

1821-1913: Absell, C. - Tena-Junguito, A. (2016)

1914-1938: Brazil. IPEA data (2009) Vol.1

## **British Guiana**

### **Imp**

1850-1938

United Kingdom (colonies) Statistical Yearbooks (1850 -1901), (1905), (1926) (1931) (1937)

### **Exp**

1820-1938

Bulmer-Thomas (2012)

United Kingdom (colonies) Statistical Yearbooks (1850 -1901), (1905), (1926) (1931) (1937)

## **British Honduras (Belize)**

### **Imp**

1850-95 assumed constant share as in 1896-1901

1896-1938

Department of Commerce and Labor, Bureau of Statistics (1909)

United Kingdom (colonies) Statistical Yearbooks (1905), (1926), (1931), (1937), (1939)

### **Exp**

1850-95 extrapolation

1896-1938

Department of Commerce and Labor, Bureau of Statistics (1909)

United Kingdom (colonies) Statistical Yearbooks (1905), (1926), (1931), (1937), (1939)

## **Canada**

### **Imp**

1850-52 assumed constant share as in 1853-57

1853-70; 1872-1938

United Kingdom (colonies) Statistical Yearbooks, 1853 to 1867. (1880), (1884), (1905), (1916), (1930), (1937), (1939)

1871 interpolation

### **Exp**

1820-35 extrapolation

1836-70; 1872-1938

United Kingdom (colonies) Statistical Yearbooks 1836.

United Kingdom (colonies) Statistical Yearbooks. 1855 to 1869 and 1864 to 1878.

United Kingdom (colonies) Statistical Yearbooks, 1853 to 1867. (1880), (1884), (1905), (1916), (1930), (1937), (1939)

1871 interpolation

## **Chile**

### **Imp**

1844-1937

Chile Estadísticas Históricas; Economía Chilena 1810-1995. Juan Braun, Matías Braun, Ignacio Briones, José Díaz

1938 assumed constant share as in 1933-37

### **Exp**

1844-1938

Chile Estadísticas Históricas; Economía Chilena 1810-1995. Juan Braun, Matías Braun, Ignacio Briones, José Díaz

## **Costa Rica**

### **Imp**

1850-1902 assumed constant share as in 1903-07

1903-38

Department of Commerce and Labor, Bureau of Statistics. (1909)

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

### **Exp**

1850-59; 1861-1902 extrapolation and interpolation

1860 Hanson, John R., II (1980)

1903-38

Department of Commerce and Labor, Bureau of Statistics. (1909)

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

## **Cuba**

### **Imp**

1850 assumed constant share as in 1851-55

1852-99 interpolation

1900-38

Macgregor (1850)

United Kingdom (foreign countries). Statistical Yearbooks (several years).

League of Nations (1925)  
 League of Nations (1929)  
 League of Nations (1933)  
 League of Nations (1936)

**Exp**

1820-1938  
 Bulmer-Thomas (2012)  
 League of Nations (1925)  
 League of Nations (1929)  
 League of Nations (1933)  
 League of Nations (1936)

**Dominican Republic**

**Imp**

1850-1912 assumed constant share as in 1913-17  
 1913-38

League of Nations (1925)  
 League of Nations (1929)  
 League of Nations (1933)  
 League of Nations (1936)  
 League of Nations (1938)

**Exp**

1820-1938  
 Bulmer-Thomas (2012)  
 League of Nations (1925)  
 League of Nations (1929)  
 League of Nations (1933)  
 League of Nations (1936)  
 League of Nations (1938)

**Ecuador**

**Imp**

1850-1938  
 Macgregor (1850), Vol II and United Kingdom (foreign countries). Statistical Yearboooks.  
 League of Nations (1925)  
 League of Nations (1929)  
 League of Nations (1933)  
 League of Nations (1936)  
 League of Nations (1938)

**Exp**

1850-1938  
 Macgregor (1850), Vol. II and United Kingdom (foreign countries). Statistical Yearboooks 1854.  
 Ecuador. Historical Statistics (2012)  
 League of Nations (1925)  
 League of Nations (1929)  
 League of Nations (1933)  
 League of Nations (1936)  
 League of Nations (1938)

**El Salvador**

**Imp**

1850-1900 assumed constant share as in 1901-05

1901-38

United Kingdom (foreign countries). Statistical Yearbooks 1901-1912.

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

### **Exp**

1850-1938

United Kingdom (foreign countries). Statistical Yearbooks 1901-1912

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

## **French Guiana (French Colonies)**

### **Imp**

1850-95; 1907-38 assumed constant share as in 1896-1900 and 1902-06

1896-1906

Department of Commerce and Labor, Bureau of Statistics (1909)

### **Exp**

1820-38; 1855-95; 1907-16 extrapolation and interpolation

1917-38 assumed constant share as in 1916

1839-54

France (colonies) Statistical Yearbooks (1939) (1949) (1954)

1896-1906

Department of Commerce and Labor, Bureau of Statistics (1909)

## **Guadalupe (French Colonies)**

### **Imp**

1850-1906

United Kingdom (colonies) Statistical Yearbooks (1849) (1854) (1862) (1870) (1874) (1881)

Department of Commerce and Labor, Bureau of Statistics (1909)

1907-38 assumed constant share as in 1902-06

### **Exp**

1820-1900

Bulmer-Thomas (2012)

1901-38 extrapolation

## **Guatemala**

### **Imp**

1850-59 assumed constant share as in 1860-64

1860-1938

Macgregor (1850), Vol. II and United Kingdom (foreign countries). Statistical Yearbooks 1854.

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

### **Exp**

1850-1938

United Kingdom (foreign countries). Statistical Yearbooks.

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

## **Haiti**

### **Imp**

1850-1906 assumed constant share as in 1907-11

1907-38

Haiti. Historical Statistics (1954).

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

### **Exp**

1850-1915 extrapolation

1916-38

Haiti. Historical Statistics (1954).

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

## **Honduras**

### **Imp**

1850-1912 assumed constant share as in 1913-17

1913-38

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

### **Exp**

1850-53; 1855-1912 extrapolation and interpolation

1854

United Kingdom (trade statistics UK). Annual statement of the trade 1855

1913-38

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

## **Jamaica**

### **Imp**

1850-89; 1891-1914; 1917-38

United Kingdom (colonies) Statistical Yearbooks. (1853 to 1867), (1855 to 1869), (1864 to 1878),

(1877 to 1891). (1916), (1926), (1930), (1939)

1890; 1915-16 interpolation

### **Exp**

1820-1914; 1917-38

Bulmer-Thomas(2012)

United Kingdom (colonies) Statistical Yearboooks.(1905), (1916), (1926), (1930), (1939)

1915-16 interpolation

## **Martinique (French Colonies)**

### **Imp**

1850-64 assumed constant share as in 1865-69

1865-1906

France (Colonies). Statistical Yearboooks (1854), (55-66).

Department of Commerce and Labor, Bureau of Statistics (1909)

1907-38 extrapolation

### **Exp**

1842-54; 1865-1906

France (Colonies). Statistical Yearboooks (1854), (55-66).

Department of Commerce and Labor, Bureau of Statistics (1909)

1855-64; 1907-38 interpolation and extrapolation

## **Mexico**

### **Imp**

1820 extrapolation

1822; 1829-55; 1857-71; 1875-83; 1886-87; 1890-91 interpolation

1911-38 assumed constant share as in 1906-10

1821; 1823-28; 1856; 1872-74; 1884-85; 1888-89; 1892-1910

Alvarado Gómez, Herrera Canales (1985).

### **Exp**

1820 assumed constant share as in 1921

1822; 1829-55; 1857-71; 1875-76; 1917 interpolation

1821; 1823-28; 1856; 1872-74; 1877-1916; 1918-38

Armando Alvarado Gómez, Inés Herrera Canales (1985).

INEGI, DGE, Anuario Estadístico de los Estados Unidos Mexicanos.

## **New Foundland**

### **Imp**

1850-1938

United Kingdom (colonies). Statistical Yearboooks. (1853 to 1867), (1855 to 1869), (1864 to 1878),(1877 to 1891)

United Kingdom (colonies). Statistical Yearboooks (1905) (1926) (1931), (1937)

### **Exp**

1820-35 extrapolation

1836-1938

United Kingdom (colonies). Statistical Yearboooks. (1853 to 1867), (1855 to 1869), (1864 to 1878),(1877 to 1891)

United Kingdom (colonies). Statistical Yearboooks (1905) (1926) (1931), (1937)

## **Nicaragua**

### **Imp**

1850-1912 assumed constant share as in 1913-17

1913-38

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

#### **Exp**

1850-57; 1859-1912 extrapolation and interpolation

1858

United Kingdom (foreign countries). Statistical Yearboooks (several years).

1913-38

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

### **Panama**

#### **Imp**

1906-12 assumed constant share as in 1913-17

1913-38

Pan-American Union (PAU). (1952)

#### **Exp**

1906-12 extrapolation

1913-38

Pan-American Union (PAU). (1952)

### **Paraguay**

#### **Imp**

1850-1912 assumed constant share as in 1913-17

1937-38 extrapolation

1913-36

Magregor (1850)

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

#### **Exp**

1850-1938

Magregor (1850)

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

### **Peru**

#### **Imp**

1850-62 assumed constant share as in 1863-67

1864-1901 interpolation  
 1863 Magregor (1850)  
 1902-38  
 Department of Commerce and Labor, Bureau of Statistics (1909)  
 League of Nations (1925)  
 League of Nations (1929)  
 League of Nations (1933)  
 League of Nations (1936)  
 League of Nations (1938)

**Exp**

1820-39; 1866-1901; 1938 extrapolation and interpolation  
 1840-65; 1902-37  
 Hanson, John R., II (1980)

**Puerto Rico**

**Imp**

1850-56  
 Bulmer-Thomas (2012)  
 1856-1900 extrapolation

**Exp**

1850-1900  
 Bulmer-Thomas (2012)

**Surinam (Duch Guayana)**

**Imp**

1850-95; 1907-38 assumed constant share as in 1896-1900 and 1902-06  
 1896-1906 Department of Commerce and Labor, Bureau of Statistics (1909)

**Exp**

1850-95; 1907-38 extrapolation  
 1896-1906 Department of Commerce and Labor, Bureau of Statistics (1909)

**Trinidad & Tobago (Winward Island)**

**Imp**

1850-1938  
 United Kingdom (colonies). Statistical Yearbooks (1853 to 1867), (1855 to 1869), (1864 to 1878), (1877 to 1891)  
 United Kingdom (colonies). Statistical Yearbooks (1905), (1926), (1931), (1937)

**Exp**

1820-35 extrapolation  
 1836-1938  
 United Kingdom (colonies). Statistical Yearbooks (*1853 to 1867*), (*1855 to 1869*), (*1864 to 1878*), (*1877 to 1891*)  
 United Kingdom (colonies). Statistical Yearbooks. (1905)(1926), (1931), (1937)

**United states**

**Imp**

1820 extrapolation  
 1821-1938 HS Ee446-457 *United States of America. Historical Statistics of the United States* (2006)  
 (manufactures include semin-manufactures)



**Exp**

1820 extrapolation

1821-1938 HS Ee446-457 (manufactures include semin-manufactures)

**Uruguay****Imp**

1850-71 assumed constant share as in 1872-76

1873-91 interpolation

1927-38 assumed constant share as in 1922-26

1872; 1892-1926

Acevedo Díaz, Eduardo, (1933) p.712

Uruguay. Anuario Estadístico de la República Oriental del Uruguay

**Exp**

1850-71; United Kingdom (foreign countries). Statistical Yearbooks.

1876-1913: Bonino-Tena-Willebald (2015)

1872-75; 1914-38 interpolation e extrapolation

**ASIA****British Malaya****Imp**

1850-89 assumed constant share as in 1890-94

1890-1938

United Kingdom (colonies) Statistical Yearbooks (1905), (1926), (1931), (1937), (1939)

**Exp**

1850-89 assumed constant share as in 1890-94

1890-1938

United Kingdom (colonies) Statistical Yearbooks (1905), (1926), (1931), (1937), (1939)

**Ceylon (Sri Lanka)****Imp**

1850-52 assumed constant share as in 1853-57

1853-1938

United Kingdom (colonies) Statistical Yearboooks. (1855 to 1869), (1880), (1884), (1892), (1905), (1926), (1931), (1937), (1939)

**Exp**

1840-1938

Hanson, John R., II (1980)

United Kingdom (colonies) Statistical Yearboooks (1855 to 1869), (1880), (1884), (1892), (1905), (1926), (1931), (1937), (1939)

**China****Imp**

1850-66 assumed constant share as in 1867-71

1867-1938

China's foreign trade statistics 1864-1949, by Hsiao Linag-lin, 1974

**Exp**

1850-66 extrapolation

1867-1938

China's foreign trade statistics 1864-1949, by Hsiao Linag-lin, 1974

**Dutch East Indies (Indonesia)****Imp**

1822-1938

Composition trade Indonesia 1825-1873. Indonesia. Korthals Altes, W.L. (1991) Changing Economy in Indonesia. Vol12a. General Trade Statistics. Published by Royal Tropical Institut (KIT). Amsterdam.

**Exp**

1822-73; 1880-1938

Composition trade Indonesia 1825-1873 (Korthals Altes)

1874-79 interpolation

**French Indochina****Imp**

1850-95; 1927-38 assumed constant share as in 1896-1900 and 1922-26

1896-1926 United Kingdom (foreign countries). Statistical Yearboooks *1901 to 1912*.

Department of Commerce and Labor, Bureau of Statistics (1909)

**Exp**

1850-95; 1927-36 extrapolation

1837-38 assumed constant share as in 1936

1896-1926 United Kingdom (foreign countries). Statistical Yearboooks *1901 to 1912*.

Department of Commerce and Labor, Bureau of Statistics (1909)

**India****Imp**

1820-27 assumed constant share as in 1828-32

1828-1938

Chauduri K.N. (1983)

United Kingdom (colonies) Statistical Yearboooks. *(1853 to 1867 and 1855 to 1869)*

**Exp**

1811-1938

Chauduri K.N. (1983)

United Kingdom (colonies) Statistical Yearboooks. *(1853 to 1867 and 1855 to 1869)*

**Iraq****Imp**

1921-23 assumed constant share as in 1824-28

1924-38 United Kingdom (colonies) Statistical Yearboooks.(1926)

**Exp**

1921-23 extrapolation

1924-38 United Kingdom (colonies) Statistical Yearboooks.(1926)

**Japan****Imp**

1860-67 assumed constant share as in 1868-72

1868-1938

Japan. Historical Statistics of Japan, volume 3.

**Exp**

1860-67 assumed constant share as in 1868-72

1868-1938

Japan. Historical Statistics of Japan, volume 3.

**Korea****Imp**

1876-95; 1912-38 assumed constant share as in 1896-1900 and 1907-11  
1896-1911

Department of Commerce and Labor, Bureau of Statistics (1909)

**Exp**

1876-95; 1912-38 extrapolation  
1896-1911

Department of Commerce and Labor, Bureau of Statistics (1909)

**Manchukuo****Exp**

1932 extrapolation  
1933-38

Assume one third Coal, Iron and Soy beans.

**Ottoman Empire/Turkey****Imp**

1850-1913; 1922-23 assumed constant share as in 1824-28  
1924-38

Turkey Statistical Yearbooks, 1940-1941.

**Exp**

1850-53 assumed constant share as in 1854

1855-1913; 1922-23 extrapolation and interpolation

1854

United Kingdom. (trade statics). Annual Statement of the Trade 1857.

France. Tableau Décennal du Commerce (1847 a 1856).

1924-38

Turkey Statistical Yearbooks, 1940-1941.

**Palestine****Imp**

1920-38

United Kingdom (colonies) Statistical Yearboooks (1926), (1931), (1937)

**Exp**

1920-38

United Kingdom (colonies) Statistical Yearboooks (1926), (1931), (1937)

**Persia (Iran)****Imp**

1850-1908 assumed constant share as in 1909-13

1909-38

Issawi, C. (1971)

Entner Marvin (1965)

Department of Commerce and Labor, Bureau of Statistics (1909)

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

**Exp**

1850-1908 assumed constant share as in 1909-13

1909-38

Issawi, C. (1971)

Entner Marvin (1965)

Department of Commerce and Labor, Bureau of Statistics (1909)

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

**Philippines****Imp**

1850-99 assumed constant share as in 1900-04

1909-24 interpolation

1937-38 assumed constant share as in 1932-36

1900-08; 1925-36

Department of Commerce and Labor, Bureau of Statistics (1909)

Nagano Yoshika (1997)

League of Nations (1929)

**Exp**

1820-39; 1938 extrapolation

1840-1937

Department of Commerce and Labor, Bureau of Statistics (1909)

Nagano Yoshika (1997)

League of Nations (1929)

**Sabah (British Borneo)****Imp**

1850-1908 assumed constant share as in 1909-13

1909-38

United Kingdom (colonies) Statistical Yearbooks (1905), (1926), (1931), (1937)

**Exp**

1850-1908 extrapolation

1909-38

United Kingdom (colonies) Statistical Yearbooks (1905), (1926), (1931), (1937)

**Sarawak****Imp**

1850-1908 assumed constant share as in 1909-13

1909-38 United Kingdom (colonies). Statistical Yearboooks (1926), (1931), (1937)

**Exp**

1850-1896 assumed constant share as in 1897

1897-1908 extrapolation

1909-38 United Kingdom (colonies). Statistical Yearboooks (1926), (1931), (1937)

**Siam (Thailand)****Imp**

1850-95; 1914-38 assumed constant share as in 1896-1900 and 1909-13

1896-1913

Department of Commerce and Labor, Bureau of Statistics (1909)  
 Statistical abstract for the principal and other foreign countries (1901 to 1912), 1914

**Exp**

1850-95; 1914-38 extrapolation  
 1896-1913

Department of Commerce and Labor, Bureau of Statistics (1909)  
 Statistical abstract for the principal and other foreign countries (1901 to 1912), 1914

**EUROPE**

**Albania**

**Imp**

1913 assumed constant share as in 1920  
 1920-38  
 League of Nations (1925)  
 League of Nations (1929)  
 League of Nations (1933)  
 League of Nations (1936)  
 League of Nations (1938)

**Exp**

1913 assumed constant share as in 1920  
 1920-38  
 League of Nations (1925)  
 League of Nations (1929)  
 League of Nations (1933)  
 League of Nations (1936)  
 League of Nations (1938)

**Austria**

**Imp**

1920; 1922-37 Statistisches jahrbuch  
 1921 interpolation

**Exp**

1920; 1922-37 Statistisches jahrbuch  
 1921 interpolation

**Austria-Hungary**

**Imp**

1830; 1918 assumed constant share as in 1831-35 and 1913-17  
 1831-1917  
 Austria-Hungary. Trade Statistics *1843 and 1875*  
 United Kingdom (foreign countries). Statistical Yearbooks. (several years).

**Exp**

1830; 1918 extrapolation  
 1831-1917  
 Austria-Hungary. Trade Statistics *1843 and 1875*  
 United Kingdom (foreign countries). Statistical Yearbooks. (several years).

**Belgium**

**Imp**

1830-34 assumed constant share as in 1835-39

1835-1913; 1919-38 Horlings 2002

**Exp**

1830-34 extrapolation

1835-1913; 1919-38 Horlings 2002

**Bulgaria****Imp**

1879-87; 1938 assumed constant share as in 1888-92 and 1933-37

1888-1937

United Kingdom (foreign countries) Statistical Yearboooks (*several years*)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

**Exp**

1879-87; 1938 extrapolation

1888-1937

United Kingdom (foreign countries) Statistical Yearboooks (*several years*)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

**Crete****Exp**

1898-1913 we use olive oil only

**Cyprus****Imp**

1878-90 assumed constant share as in 1891-95

1891-1938

United Kingdom (colonies) Statistical Yearboooks (1905), (1926), (1931), (1937)

**Exp**

1878-90 extrapolation

1891-1938

United Kingdom (colonies) Statistical Yearboooks (1905), (1926), (1931), (1937)

**Czechoslovakia****Imp**

1920-30

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

1931-37 assumed constant share as in 1926-30

**Exp**

1920-30

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)  
1931-37 extrapolation

## **Denmark**

### **Imp**

1841-1938  
Johansen Hans (1985)

### **Exp**

1818-1938  
Johansen Hans (1985)

## **Estonia**

### **Imp**

1920-21; 1938 assumed constant share as in 1922-26 and 1933-37  
1922-37

League of Nations (1925)  
League of Nations (1929)  
League of Nations (1933)

### **Exp**

1920-21; 1938 extrapolation  
1922-37  
League of Nations (1925)  
League of Nations (1929)  
League of Nations (1933)

## **Finland**

### **Imp**

1850-59 assumed constant share as in 1860-64  
1861-82 interpolation  
1938 assumed constant share as in 1933-37  
1860  
Hjerrpe Riitta (1996)  
1883-1937  
Finland. Yearbook Finland

### **Exp**

1850-59; 1861-82; 1938 extrapolation and interpolation  
1860  
Hjerrpe Riitta (1996)  
1883-1937  
Yearbook Finland (<http://www.doria.fi/>)

## **France**

### **Imp**

1807-26  
France (trade statistics Archives. 1807, 1814)  
France (Trade Statistics). (1850)  
1827-1938  
Annuaire statistique

### **Exp**

1820-26 extrapolation

1827-1938

Annuaire statistique

## **Germany/Zollverein**

### **Imp**

1850-79 assumed constant share as in 1880-84

1914-22 interpolation

1880-1913; 1923-38

Hoffman et al (1965)

### **Exp**

1850; 1870; 1880-1913; 1925-38: Hoffman et al (1965)

1851-69; 1871-79; 1914-24 interpolation

## **Greece**

### **Imp**

1850-62 assumed constant share as in 1863-67

1863-1938

United Kingdom (colonies). Statistical Yearbooks. 1836.

United Kingdom (foreign countries). Statistical Yearbooks 1901-1912.

Department of Commerce and Labor, Bureau of Statistics (1909)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

### **Exp**

1850-1938

United Kingdom (colonies). Statistical Yearbooks. 1836.

United Kingdom (foreign countries). Statistical Yearbooks 1901-1912.

Department of Commerce and Labor, Bureau of Statistics (1909)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

## **Hungary**

### **Imp**

1920-29

League of Nations (1933)

1930-38 assumed constant share as in 1925-29

### **Exp**

1920-29

League of Nations (1933)

1930-38 extrapolation

## **Ireland**

### **Imp**

1922-23 assumed constant share as in 1924-28

1927; 1931-33; 1935-37 interpolation

1924-26; 1928-29; 1934; 1938



United Kingdom (colonies) Statistical Yearbooks (1931), (1937)

**Exp**

1922-23; 1927; 1931-33; 1935-37 extrapolation and interpolation

1924-26; 1928-29; 1934; 1938

United Kingdom (colonies) Statistical Yearbooks (1931), (1937)

**Italy**

**Imp**

1850-61 assumed constant share as in 1862-66

1862-1938

Federico-Natoli-Vasta-Tattara

**Exp**

1850-61 extrapolation

1862-1938

Federico-Natoli-Vasta-Tattara

**Latvia**

**Imp**

1920-37

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

1938 assumed constant share as in 1933-37

**Exp**

1920-37

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

1938 extrapolation

**Lithuania**

**Imp**

1920-38

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

**Exp**

1920-38

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

**Netherlands**

**Imp**

1850-71; 1928-38 assumed constant share as in 1872-76 and 1923-27

1872-1927

Lindblad Van Zanden Dutch foreign trade (1982)

**Exp**

1850-71; 1928-38 extrapolation

1872-1927

Lindblad Van Zanden Dutch foreign trade (1982)

**Norway**

**Imp**

1850-65 assumed constant share as in 1866-70

1866-1938

Norway. «Historisk statistikk» Historical Statistics 1968

**Exp**

1850-64 assumed constant share as in 1865

1865 extrapolation

1866-1938

Norway. Historical Statistics 1968

**Poland**

**Imp**

1922-38

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

Poland. Statistical Yearbook (1930)

**Exp**

1922-38

League of Nations (1925)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

Poland. Statistical Yearbook (1930)

**Portugal**

**Imp**

1820-41 assumed constant share as in 1842-46

1842-1938

1910-1938: Batista, D etal (1997)

Pedro Lains (2007) and private communication

**Exp**

1820-38 extrapolation

1839-1938

1910-1938: Batista, D etal (1997)

John Macgregor, Volume II (1850)

Pedro Lains (2007) and private communication

**Romania**

**Imp**

1859-81 assumed constant share as in 1882-86

1937-38 extrapolation

1882-1936

United Kingdom *Tables of the revenue, population, 1836.*

United Kingdom (foreign countries). *Statistical Abstract for the Principal and other Foreign Countries 1901 to 1912*

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

**Exp**

1850-81; 1937-38 extrapolation

1882-1936

United Kingdom *Tables of the revenue, population, 1836.*

United Kingdom (foreign countries). *Statistical Abstract for the Principal and other Foreign Countries 1901 to 1912*

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

**Russia/USSR****Imp**

1850-52 assumed constant share as in 1853-57

1913-26; 1930-34 interpolation

1938 assumed constant share as in 1933-37

1853-1912; 1927-29; 1935-37

United Kingdom (annum) *Tables of the revenue, population, 1836.1851, 1852, 1857, 1861*

United Kingdom (foreign countries). *Statistical Yearbooks 1868-1878-9; 1896 to 1905-06; 1901 to 1912*

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

**Exp**

1820-25; 1913-26; 1930-34; 1938 extrapolation and interpolation

1826-1912; 1927-29; 1935-37

United Kingdom (annum) *Tables of the revenue, population, 1836.1851, 1852, 1857, 1861*

United Kingdom (foreign countries). *Statistical Yearbooks 1868-1878-9; 1896 to 1905-06; 1901 to 1912*

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

**Serbia/Yugoslavia****Imp**

1850-95 assumed constant share as in 1896-1900

1896-1938

United Kingdom (foreign countries). *Statistical Yearbooks 1901 to 1912*

Department of Commerce and Labor, Bureau of Statistics (1909)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

League of Nations (1938)

**Exp**

1830-42; 1844-95 extrapolation and interpolation

1896-1938

Serbia. Sundhaussen H.(1989)

United Kingdom (foreign countries). Statistical Yearbooks *1901 to 1912*

Department of Commerce and Labor, Bureau of Statistics (1909)

League of Nations (1929)

League of Nations (1933)

League of Nations (1936)

**Spain****Imp**

1850 assumed constant share as in 1851-55

1856-61; 1868-76 interpolation

1927-38 assumed constant share as in 1922-26

1851-55; 1862-67; 1877-1926

1856-1870: Estadística general del comercio exterior de España con sus posesiones de ultramar y potencias extranjeras (1856-1870), Dirección General de Aduanas.

1870-1926: Tena-Junguito, A. ( 2005)

**Exp**

1850; 1856-61; 1868-76; 1927-38 extrapolation and interpolation

1851-55; 1862-67; 1877-1926

1856-1870: Spain. Estadística general del comercio exterior

1870-1926: Tena-Junguito, A. ( 2005)

**Sweden****Imp**

1850-70 assumed constant share as in 1871-75

1871-1938

Historisk Statistik Sweden, Vol 3 (Foreign trade)

**Exp**

1850-70 extrapolation

1871-1938

Historisk Statistik Sweden, Vol 3 (Foreign trade)

**Switzerland****Imp**

1850-91 assumed constant share as in 1892-96

1892-1938

Switzerland. Ritzmann-Blickenstorfer Heiner (1996)

**Exp**

1850-91 extrapolation

1892-1938: Switzerland. Ritzmann-Blickenstorfer Heiner (1996)

**United Kingdom****Imp**

1850-53 assumed constant share as in 1854-58

1854-1938

Mitchell (1988)

**Exp**

1807-13; 1817-23; 1827-33; 1837-43; 1847-53 interpolation

1804-06; 1814-16; 1824-26; 1834-36; 1844-46; 1854-1938

Mitchell (1988)

**OCEANIA****Australia****Imp**

1850-91; 1899-1913; 1915-38

Australian trade composition (Wamplew)

United Kingdom (colonies) Statistical Yearboooks *1853 to 1867, 1855 to 1869.*

1892-98; 1914 interpolation

**Exp**

1826-35; 1914 extrapolation and interpolation

1836-1913; 1915-38

Australian trade composition (Wamplew)

United Kingdom (colonies) Statistical Yearboook. 1836.

United Kingdom (colonies) Statistical Yearboooks *1853 to 1867, 1855 to 1869.*

**British settlement Oceania****Imp**

1850-1912 assumed constant share as in 1913-17

1913-38

United Kingdom (colonies) Statistical Yearbooks (1926) ,(1931), (1939)

**Exp**

1850-1912 assumed constant share as in 1913-17

United Kingdom (colonies) Statistical Yearbooks (1926) ,(1931), (1939)

**German colonies Oceania****Imp**

1850-1923 assumed constant share as in 1924-28

1924-38

United Kingdom (colonies). Statistical Yearbooks (1926), (1931),(1939)

**Exp**

1850-1923 extrapolation

1924-38

United Kingdom (colonies). Statistical Yearbooks (1926), (1931),(1939)

**Hawai****Imp**

1850-99 assumed constant share as in 1900-04

1900-04

Historical Statistics. Haway. Schmitt Robert C. (1977)

**Exp**

1844-49; 1875-99 Historical Statistics. Haway. Schmitt Robert C. (1977)

1850-74; 1900 interpolation and extrapolation

**New Zeland**

**Imp**

1850-54 assumed constant share as in 1855-59

1937-38 extrapolation

1855-1936

United Kingdom (colonies). Statistical Yearbooks. (1855 to 1869), (1864 to 1878), (1877 to 1891)

Department of Commerce and Labor, Bureau of Statistics (1909)

United Kingdom (colonies) Statistical Yearbooks. (1905) (1926)(1931), (1937)(1939)

**Exp**

1846-1936

Macgregor ( 1850)

United Kingdom (colonies). Statistical Yearbooks. (1855 to 1869), (1864 to 1878), (1877 to 1891)

Department of Commerce and Labor, Bureau of Statistics (1909)

United Kingdom (colonies) Statistical Yearbooks. (1905) (1926)(1931), (1937)(1939)

1937-38 extrapolation

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